EYA BEN AZIZA

Software Engineer | Frontend & Backend Development

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📍 Tunisia

SUMMARY

Dedicated software Engineer with a strong educational background, specializing in frontend and backend development. Proficient in object-oriented programming and database management, I bring a detail-oriented approach to developing and enhancing applications. Experienced in delivering high-quality software solutions in agile environments. Passionate about leveraging my skills to contribute to innovative projects, I am committed to continuous learning and growth.

EDUCATION

Engineering Diploma in Instrumentation and Intelligent Systems

National Institute of Applied Sciences and Technology-INSAT

📅 09/2018 - 01/2024

- Design patterns, Object Oriented Programming, Databases
- Operating system, Algorithms, Real time Operating system
- Signal Processing. Computer Network, Digital Communication

Baccalaureate Diploma in Mathematics

Pioneer School of Nabeul

📅 2014 - 2018

- Highest honors

EXPERIENCE

Frontend Developer

Freelance

📅 08/2024 - 01/2025   📍 Remote

- Developed responsive web applications with modern UI/UX principles.
- Built reusable React components for scalability and optimized performance.
- Collaborated with clients to deliver high-quality, user-friendly solutions.

C++ Software Engineering Intern

Maschinenfabrik Reinhausen

📅 04/2023 - 12/2023   📍 Germany

- Implemented CMake for streamlined development setup and automation of RTOS launching, saving 70% of configuration time for future team members.
- Restructured the target codebase to improve readability, scalability, and code reuse, enhancing overall code quality and maintainability.
- Configured Sciopta RTOS for efficient Bluetooth stack management, optimizing processes to reduce memory usage by 42.18% and enhancing system stability and performance.
- Conducted comprehensive software testing, to ensure high-quality product releases in an agile environment.

SKILLS

CPP   HTML   CSS   Javascript

Java   Tailwind   React   Node.js

TypeScript   NestJs   Postgresql

Nosql   Jira   Python   Cmake

QtCreator   Agile   CI/CD   Git

Software Debugging

PROJECTS

E-commerce Platform

Developed a user-friendly online platform allowing customers to register, browse products, add items to their cart, manage orders and complete purchases. Administrators have the capability to manage products, orders, and user accounts.

- **Frontend Development with React:** Designed and implemented user-friendly interfaces for product listings, shopping cart functionalities, and user authentication pages.
- **Backend Development with NestJS:** Established a robust server to handle API requests and manage data transactions. Integrated database to store product information, user details, and order histories. Implemented secure authentication and authorization mechanisms to protect user data.
- *Technologies and Tools:* React, Tailwind, node, NestJs, Typescript, Postgres, RESTful APIs, JWT, CORS, Postman

Frontend Projects

Designed interfaces in React for various web applications

- Achieved pixel-perfect UI for complex layouts, showcasing strong attention to design precision and consistency.
- Developed responsive applications adaptable to different screen sizes, enhancing accessibility and usability.
- *Technologies and Tools:* HTML, CSS, Javascript, Tailwind, React

LANGUAGES

English

French

EXPERIENCE

C++ Developer Intern

STMicroelectronics

📅 07/2022 - 09/2022   📍 Tunisia

- Improved and developed an automatic and CLI based validation and testing platform in C++
- Automated script selection which decreased manual test selection time by 80%
- Ensured Log messages categorization into different verbosity levels, and highlighted important messages which reduced log review time by 70%
- Ensured memory optimization by considering design patterns
- Overall testing time improved by 73%